

NEW NORTH AMERICAN BOMBYLIIDAE (DIPTERA) WITH NOTES ON SOME DESCRIBED SPECIES¹

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ABSTRACT: Five new species of the family Bombyliidae: *Parabombylius aureus*, *P. loriae*, *Caenotus thompsonii*, *Bombylius anthophoroides*, and *B. breviabdominalis*, and one new subspecies, *Poecilanthrax moffitti pallidifrons*, are described. The distribution of *Bombylius mohavensis* Evenhuis is extended to include Idaho and Utah. A new synonym of *B. mohavensis*, *B. abdominalis* Johnson and Johnson, is listed, and the authorship of *Bombylius lassenensis* Johnson and Johnson is clarified.

DESCRIPTORS: Diptera; Bombyliidae; *Parabombylius aureus*, n. sp.; *Parabombylius loriae*, n. sp.; *Caenotus thompsonii*, n. sp.; *Bombylius anthophoroides*, n. sp.; *Bombylius breviabdominalis*, n. sp.; *Poecilanthrax moffitti pallidifrons*, n. ssp.; *Bombylius abdominalis*, n. syn.; *Bombylius lassenensis* Painter.

The following descriptions of new taxa and the notes on other species are presented here primarily to facilitate future publications on Bombyliidae and to allow the return of borrowed specimens. In addition to specimens from my own collection (NLE), material examined in this study was borrowed from the California Academy of Sciences (CAS), California State Polytechnic University, Pomona (CPU), California Department of Food and Agriculture (CDFA), and the University of California, Riverside (UCR). All primary types are deposited in the California Academy of Sciences.

Parabombylius aureus, n. sp.

Male. Length 5mm. Head black; frons with two golden tomentose stripes on midline from eyes to bases of antennae; silver patch of tomentum lateral to antennal bases; face and oral margin black pilose; occiput with bushy yellow pile; ocellar tubercle with long black hair; antennae black, segment I with long black hair, segment II with black hair shorter than length of second segment, segment III with sparse hairs on dorsal edge, style bare. Scutum and scutellum shining black, dense yellow pilose; pleura brown, bare for the most part, hypo- and pteropleura with tufts of long yellow pile, sternopleuron with small tuft of short black hair; halter brown. Wing slightly tinted with yellow-brown basally, color extending to alula; alular fringe yellow pilose; rest of wing hyaline. Legs black; coxae and bases of femora black pilose; long black spines on venter of femora and tibiae; shorter spines on venter of tarsi. Abdomen shining black, yellow pilose; segments II and III with black pile laterally; yellow tomentose spots middorsally on segments III-V; apex of abdomen with mixed yellow and black hair. Genitalia not dissected.

Female. Unknown.

Holotype male from 65km. S. Tuxtla Gutierrez, Chiapas, Mexico, XI-12-1974 (D.E. and J.A. Breedlove) (CAS).

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